

Date: Wed, 8 Sep 93 17:14:01 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1067
To: Info-Hams

Info-Hams Digest Wed, 8 Sep 93 Volume 93 : Issue 1067

Today's Topics:

11 year old with an interest in Space
 alisco dj-580 repair
 Another Ancient Mariner goes SK
 Compare IRCI & Kenwood Filters.
 Hams on Usenet
 Holidays in the US
Icom IC765 COMPRESSOR PROBLEM? (2 msgs)
 Nonlicensed purchase of radio
 Passed 20 W.P.M. test
 Radio Shack attitudes
 Strange HAM interference
 There goes the rest of 20M

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 02 Sep 1993 19:02:17 -0500
From: dog.ee.lbl.gov!agate!spool.mu.edu!caen!nic.umass.edu!umassd.edu!ulowell!
buscard!Uucp@network.ucsd.edu
Subject: 11 year old with an interest in Space
To: info-hams@ucsd.edu

Jim,

You might want to check out QST from a few months ago. They had an article
about working the "easy sats", and it's really pretty easy. I work RS-10
using an all-mode VHF for the uplink, and a Radio Shack shortwave radio for

the downlink. The uplink is only running 10 watts to a home made copper pipe Jpole, and with 50' of RG-8 between the two, not much of it even gets there. The downlink antenna is basically a long wire strung out the window. I don't get real great reports, and the other stations are hard to hear, but it does work. Once you have a working setup, you can experiment and upgrade in pieces.

Also, don't forget you'll need some sort of computer with a satellite tracking program.

Have fun, and good luck,

Greg KD6KGW

Date: 8 Sep 93 23:04:54 GMT
From: ogicse!uwm.edu!spool.mu.edu!sdd.hp.com!hpscit.sc.hp.com!icon.rose.hp.com!
greg@network.ucsd.edu
Subject: alinco dj-580 repair
To: info-hams@ucsd.edu

OK, since I just went through this broken antenna thing recently, let me jot down a few of the highlights...

First thing is to remove the wrist strap and all the knobs from the top of the radio. The knobs just pull straight off.

Around the knob shafts is a nut of sorts, more like a sleeve with threads. They sit down in the gap between the shaft and the radio shell, and have two notches, 180 degrees apart. They probably want you to use some sort of special tool to unscrew them, but I just used a really small screw driver (basically anything small and pointy will do). This is probably the part you missed. Use the screw driver to push the notches around the shaft to unscrew the nut.

Un-do the 4 screws that hold the base plate on. Be careful with the wires and the spring that pushes on the battery release. Also un-do the 3 screws that hold the front and back halves of the radio together. The radio can now come apart, although it won't want to.

The ribbon cable joining the two halves of the radio has enough stretch to just barely allow the radio to be taken apart. The thing you're trying to do is get the knob shafts out of their holes. Once that is done you can lay the radio open on the table.

Of course, you're looking at two PC boards, one in each half. The BNC connector isn't on either of them :-(. It's burried below the one on the back side of the radio. There are 4 screws holding that one down, one in

roughly each corner. Remove them, and carefully lift that board. Under it is yet another PC board, and under that one is the BNC connector. Alinco must have stock in the folks producing "Dr. Who".

At the top of the radio is a rubber gasket thingy which goes around the plugs for the mic/earphone/etc. I don't remember exactly how this went, but it will end up coming out.

With the second board lifted out of the way, you'll see some copper foil covering where the BNC connector is. There is a screw on the top right, and a solder blob at the bottom. Remove the screw and peel the foil back. I ended up breaking the solder blob in the process, but it was easy to put back. The under side of the foil has an adhesive on it.

There is a wire connecting the BNC's threads which broke off at the PC board *and* the center connection had cracked from the solder post. Use a really small soldering iron and touch up both connections. Be real careful not to burn anything, drop solder on anything, or bend the little coils near the center connector's post. I didn't use any extra solder, just re-flowing what already was there.

With the repair complete, reverse the process to put things back together. Don't forget to re-blob the foil, and get all the rubber gizmos (PTT/Function switch, and the seal around the speaker/mic connectors back in place, and not pinched under something else.

As a final step, get some good epoxy and run a bead around the BNC connector to keep it from moving in the future. Come to think of it, you might want to put some on the inside while the radio's open, but I put it on the outside. Seemed safer.

I've probably forgotten some minor, but important detail in all this, but this is from memory, so use your best judgment. Don't force anything; they put it together without a hammer, so you shouldn't need one to take it apart. You will need a real fine Phillips screwdriver, fine tip soldering iron, and NO INTERRUPTIONS to pull this off.

Good luck,

Greg KD6KGW

#standard disclaimer: I have no authority to give official advice on this topic. You're on your own.

Date: Thu, 02 Sep 1993 18:16:37 -0500

From: agate!howland.reston.ans.net!spool.mu.edu!caen!nic.umass.edu!umassd.edu!

ulowell!buscard!Uucp@ames.arpa
Subject: Another Ancient Mariner goes SK
To: info-hams@ucsd.edu

--Too sad to copy, so I start fresh:

We'll 'get even' -----

Made 2nd contact with a VE20BK ... who is 2 months into CW.

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Randy KA1UNW	If you get a shock while servicing your equipment, DON'T JUMP! You might break an expensive tube!	"Works for me!" -Peter Keyes
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Date: Thu, 02 Sep 1993 13:05:10 -0500
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!sol.ctr.columbia.edu!
news.kei.com!yeshua.marcam.com!zip.eecs.umich.edu!caen!nic.umass.edu!umassd.edu!
ulowell!buscard!Uucp@network.ucsd.edu
Subject: Compare IRCI & Kenwood Filters.
To: info-hams@ucsd.edu

Reply-To: mohan@tulip.es.utoledo.edu

Hello,
Today I received a catalog from IRCI, and found the following specs for the
CW filters they make for the TS-520S.

Can someone here who has tech specs for the Kenwood make CW Filter for TS-520S
comment on the quality of the IRCI compared to the Kenwood one.

IRCI 8 Pole Crystal Filter (Drop in exact replacement for Kenwood model)
Bandwidth @ 6dB - 250Hz or 400Hz or 500Hz
Center frequency - 3395 kHz
Shape Factor - 2.7

This filter costs about \$75.00. Is it an ok price for a CW Filter? And what
decides the bandwidth choice ?

Thanks for your comments.
--mohan/12th Week and waiting for license.

=====

+ Mohanakrishna Pakkurti + mohan@jupiter.cse.utoledo.edu +
+ HOME: 2239 University Hills Blvd #204, Toledo OH 43606. Phone:(419)536-9073 +
=====

Date: Thu, 02 Sep 1993 19:22:32 -0500
From: dog.ee.lbl.gov!agate!spool.mu.edu!caen!nic.umass.edu!umassd.edu!ulowell!
buscard!Uucp@network.ucsd.edu
Subject: Hams on Usenet
To: info-hams@ucsd.edu

Did anybody save the list of hams on Usenet that appeared some time ago?

Or know where to get it?

Thanks.

--
h1b@li.loral.com

Date: 8 Sep 93 22:50:09 GMT
From: psinntp!arrrl.org@uunet.uu.net
Subject: Holidays in the US
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, slosiar@elde.epfl.ch (Rasti Slosiar) writes:

>I will be going this month to the USA for a 4-week holiday. I am planning
>to take some HF and VHF/UHF equipment....

>I am just waiting for the reciprocal permit from the FCC, which I applied
>for almost two months ago by now...

>

>I will be in Florida in the period Sep 12-21 and in California Sep 21-Oct 9.

>I do not have any operation hours or any frequencies to announce for the
>moment, however feel free to give me a shout if you hear me.

>

>I would be interested to know what is the best band and the best time of
>day in order to make successfull contacts with Europe from Fla and Ca these
>days (with a dipole only!), as I would like to set up some scheds with
>other Swiss ham friends. Any hints are welcome!

Rasti,

From what I hear in Connecticut (with a horizontal wire loop--no beam),

In article <CCqDsA.Hqp@hpgmoea.sqf.hp.com> dstock@hpgmoca.sqf.hp.com (David

Stockton) writes:

>Bob Levine,x247 (levine@mc.com) wrote:

>: In article AA18937@netmail.microsoft.com, mikemr@microsoft.COM (Michael Mraz) writes:

>: >I have the same problem---it only occurs when I plug in the cable
>: >between my PK-232 and the 765. Instead of troubleshooting it, I just
>: >unplug the cable from the ACC jack when I use SSB. Not elegant, but
>: >it works. I don't think it's a 765 problem.

>: >

>

> Hmm, these both look like an RF pickup problem, it is possible that
>the "ACC" port is acting as an inadequately filtered point of entry.
>Even when you're running 'phone you could have RF entering the box and
>getting just about everywhere from the cable you use for Amtor/packet.

>

> It certainly seems a nuisance to have to keep groping around the
>back whenever you change modes. The 765 is set up to do proper FSK, and
>there is even a proper mode switch on the front for it, I too would
>strongly advise using this rather than inserting FSK audio and using the
>SSB mode. It is much cleaner, which could improve your error rate at the
>far end (and those on adjacent frequencies should hear less splatter)

>

> My brain must not be firing on all cylinders today, I wondered if the
>original post mentioned Data modes and spent some time wondering why
>anyone would use the compressor on AFSK, re-reading everything helped me
>get myself sorted out.

>

> I've found just about every lead can inject RF into the 765 if the
>shack is "Hot" with Rf. This is similar to just about all the other
>commercial rigs. Any luck with changing feeder routing?

>

I have seen a problems that sound similar to the original poster's. When I first had my PK232 and an IC-726 HF rig, I could not leave the PK232 cable plugged in and talk on SSB. I got complaints from everyone!

The solution for me was to scrape the paint off the bottom of the PK232 around one of the screw holes, and use a ring terminal with lockwasher teeth to connect a wire from the PK232 to the station ground. Once I did this ALL the problems went away.

I'll echo KD1GG's sentiments about using the FSK line rather than the AFSK for RTTY, Amtor and Pactor. You will produce a much cleaner signal, and be able to use your 500Hz filter.

73,

Dan N1JEB

--

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-----  
Daniel Senie                Internet:    dts@world.std.com  
Daniel Senie Consulting      n1jeb@world.std.com  
508-365-5352                Compuserve:  74176,1347  
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Date: 8 Sep 93 22:43:30 GMT
From: psinntp!arrl.org@uunet.uu.net
Subject: Nonlicensed purchase of radio
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, mellis@ramcad.pica.army.mil (Mark Ellis) writes:

>I'm in the process of studying for the Tech license. but I noticed in a
>previous post someone mentioned that the Radio Shack HTX202 is on sale
>for \$200. I thought I'd get it now, and listen in on popular freqs around
>the Rockaway (Northern) NJ area. That way when I do pass and get the
>license, I'll be a better operator for listening all this time. After
>all, isn't that the best way to learn? By the way, what ARE the popular
>freqs (2M) in the Northern NJ area ? :-]

>
>My question is: If I walk into Radio Shack, put money down, and say:
> "Gimme dat HT-202, and I'll give you this money", can
> (would) they ask to see a license before selling it to me?
>

>On the bottom of page 28 of their 93 catalog, it states:
>YOU MUST HAVE A CURRENT FCC AMATEUR LICENSE OF APPROPRIATE CLASS
>TO TRANSMIT WITH THE HTX-100 and HTX-202.

>
>I would think reiteration of the above would be all RS should do, since
>the ultimate responsibility is mine to abide by the rules.

I don't see any reason why they wouldn't sell you a ham transceiver. There's no law against owning one (as they state, you only need an FCC Amateur Radio license to transmit with it), and you could certainly be buying one for a gift for a licensed friend or relative. I think if you act cool and polite about it, and don't ask weird questions ("Can I talk to Europe on this?" "Will this get Channel 19?" etc), you probably won't get more than a brief comment that you need a license, and such. And probably not even that, from many RS sales people (who NEED that sale!).

Anyhow, nobody will be breaking any law if you buy one. And you'll be kewl as long as you wait till you get that ticket to push the talk button. (But...will you be able to resist the temptation to "kerchunk" a repeater "just once, for a second" with that PTT button staring you in the face for

several weeks? 8-) Might be safer to buy it and stash it with a ham friend, and borrow a VHF scanner for now!)

CUL es 73 de BB

```

*****
Brian Battles, WS10      I Tel      203-666-1541, ext 222 I  "Radio amateurs
QST Features Editor     I Fax      203-665-7531          I  do it with high
ARRL HQ                 I Internet bbattles@arrl.org      I  frequency"
Newington, CT USA      I Amprnet  ws1o@ws1o.ampr.org [44.88.0.87]
*****

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Date: Thu, 02 Sep 1993 19:08:39 -0500
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!spool.mu.edu!caen!nic.umass.edu!
umassd.edu!ulowell!buscard!Uucp@network.ucsd.edu
Subject: Passed 20 W.P.M. test
To: info-hams@ucsd.edu

Reply-To: ae517@Freenet.carleton.ca (Russ Renaud)

In a previous article, rab@hal.cwru.edu (Roger Bielefeld) says:

>>A fellow ham and I gave a co-worker the Novice exam in early May. When his call
>>arrived he was already a General. Two weeks ago he made Extra Class.
>>
>>15 weeks total.
>>
>>This any kind of record?
>>
>
>I've heard stories of people who did it all in one sitting. The stories
>I've heard involved people who were already licensed in another country
>or who had been licensed previously in the U.S. and had let their ticket
>lapse.

I did it all in one sitting, and let me tell you I was one tired puppy afterwards. I was at the Rochester hamfest, and I saw a notice that a VE session would be held that day. So for \$5.60, I thought "what the heck, all the good bargains are gone anyways!" Everyone and his dog was there, and the ventilation was turned off. It must have been over 100 degrees F in there!

I don't know if Extra-in-one-sitting has ever been done by anyone
>who had never been licensed before. Probably.

I already held my Canadian licence. My hat's off to any newcomer who can get to extra in one sitting.

73

--

Russ Renaud ve3uav/aa8lu 1 Internet: ae517@freenet.carleton.ca
CCG-Fleet 1 or
tel (613) 993-247 1 ve3uav@amsat.org

Date: Thu, 02 Sep 1993 17:41:39 -0500
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!spool.mu.edu!caen!nic.umass.edu!
umassd.edu!ulowell!buscard!Uucp@network.ucsd.edu
Subject: Radio Shack attitudes
To: info-hams@ucsd.edu

peterson@phyc1.byu.edu writes:

deletes done

: that is hard to connect with if you are working a regular job and the smaller
: store in the area has reasonable hours but doesn't have a real good stock of
: most items. I don't agree that we should boycott them - we just need to let
: them know that if we have questions we will ask - just leave us alone while we
: pick out the parts we need.

:

: Bryan Peterson, peterson@phyc1.byu.edu
: Provo, UT

IF they had a good stock...IF they had accessable hours...IF they told you
yes we have xyz part (over the phone) and not make ya buy their catalog just
to find out if they still carry a 2N107 ...and is it really on the hook...

....

Then I would agree with you.

As to 'leave us alone' I used to train them good the FIRST time in:

'Can I help you?'

"Yes. I'm building an Interositor. I need all the parts for the control
panel."

(or something way out like that)

Its fairly easy to get the guy to 'leave you alone'...it's all the rest of
the stuff thats a problem.

--

Randy KA1UNW

If you get a shock while
servicing your equipment,
DON'T JUMP!

"Works for me!"

-Peter Keyes

You might break an expensive tube!

Date: 8 Sep 1993 08:47 CDT

From: elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!TAMUTS.TAMU.EDU!zeus.tamu.edu!
tskloss@ames.arpa

Subject: Strange HAM interference

To: info-hams@ucsd.edu

Here's the situation. A friend of mine was telling me the problem his mother was having with a HAM who was living a few doors down (nice neighborhood, in the northern hills of Austin Texas). It seems that this HAM transmits at very high levels; high enough in fact to INDUCT SOUND TO COME FROM A TELEPHONE THAT IS HUNG UP!!!!

IMHO, it's due to the cord between the handset and the wall unit (it's a hang on the wall type with a long, ~3m unstretched cord to the handset) that is close to his transmitting wavelength (or an appropriate fraction thereof). The cord acts like an antenna, and the AM signal comes out of the telephone handset speaker. Plus, there is interference on all the other appliances such as her television and cordless phone. (we told her that he can indeed hear her conversations as well as his other neighbors' cordless phones)

She says it's spooky because when it's quiet she can hear mumbling coming from the hung-up phone and sometimes it is completely legible! What kind of affects can that intense field have on other, more sensitive objects (like us!)?

He [the HAM] is well aware of his interferences since all his neighbors have complained, but still he persists that he is doing nothing wrong. His antenna is a single vertical pole since antenna structures are prohibited in the neighborhood. I assume that he is just below the maximum allowed output, so the FCC can't touch him. It seems to be a battle between the disgruntled residents and the HAM who's personality is such that he once fired his pistol into the air repeated times to quiet the dogs next door (probably for a DX he was working on).

Perhaps he is upset that they won't allow him to install his 50 foot tower in his back yard and he is trying to get back at everyone as long as he can... The residents are trying for a legal injunction to either limit his power output, or halt his emissions all together, but that has turned out to be a long battle.

Alas, what can we do about people who tarnish the image of amateur operators.

It only takes one: we lost two repeaters (their prime location, actually) because someone (unknown if it was indeed a HAM) stepped on water drain line and leaked water down the side of the building (or something like that, minor indeed). Now, no amateur services are allowed on the building, which happens to be one of the tallest in the neighborhood.

-tim (still waiting on call... :-(

Date: Thu, 02 Sep 1993 18:01:48 -0500
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!spool.mu.edu!caen!nic.umass.edu!
umassd.edu!ulowell!buscard!Uucp@network.ucsd.edu
Subject: There goes the rest of 20M
To: info-hams@ucsd.edu

kevin@TorreyPinesCA.ncr.com (Kevin Sanders) writes:
: In article <CCnn7y.HD0@odin.corp.sgi.com> adams@chuck.dallas.sgi.com (Charles
Adams) writes:

: >
: >1990-present: 7.000-7.040 cw
: > 7.040-7.150 digital es rtty
: > 7.100-7.300 foreign broadcast
: > 7.150-7.300 some ssb between the foreign broadcast

: >
: >now we have dx ssb from 7.000 to 7.060
: > digital from 7.000 to 7.150
: > foreign broadcast 7.100 to 7.300
: >

:
: I just got my ham ticket a couple of years ago, and I find your post
: quite enlightening, Chuck. I certainly had noticed a major discrepancy
: between the "gentlemens' agreement" discussed in the introductory ARRL
: book and what I was hearing at the lower end of 40 meters. Maybe I just
: wasn't listening before, but it seems to me that even two years ago I
: never heard SSB signals from 7.025 - 7.040. More recently I do hear them,
: and they always seem to be from South America I think (spanish).

:
: increased difficulty in establishing and keeping scheduled QSOs, and
: more intolerance for those who don't use the "correct" mode. Actually the
: intolerance is probably there already, but with the modes segregated into
: distinct subbands we don't have to listen to the modes we don't like ;-)

:
: >....

:
: >our favorite modes. remember, the bicycle is still around. it hasn't
: >been outlawed, yet i see a lot of people with the attitude that A1 should
: >be outlawed and/or taken off the bands. you'll take my cold dead hands

```

: >from my keyboard and/or kent or bencher.
:
: I can't agree with this...I have never heard anyone with the attitude that
: A1 should be banned from the air. I think you just wanted an excuse to
: use the trite "cold dead hands" phrase ;- ) I do agree with you on the last,
: though...and at 33 yrs old I'll be around a while to make sure A1 survives
: on the bands for a few more decades.
:
: we need to keep some semblance of order on the HF bands, or they are going
: to become unusable for everyone. Semi-automatic operation is clearly a
: step in the wrong direction, as it allows interference to occur. Even though
: such interference is not *intentional* interference, that doesn't make it OK.
:
: There may be some interesting irony in the works here for the digital folks:
: If the band gets so trashed that interference becomes the rule rather than
: the exception, and since Spread Spectrum is not allowed on the HF bands,
: then the A1 mode will probably become the most reliable way to communicate
: over HF!
:
: 73,
:
: --
: [] [] [][] [][] Kevin Sanders, KN6FQ NCR Torrey Pines
: [] [] [] [] [][] Dump MS-DOS. Prevent Programmer Burnout with Linux.

```

Well, then theres 3 of us who feel essentially the same way.

Sence it takes (me) too long to twiddle the knobs to notch out QRM from another CW sig 'a couple hundred cps away' , I've (somehow) learned to do the filtering in my head.

Be dog-goned, it works!

But get some TTY (of which I am not so sure is even Ham...it runs on & on & on) that has either the mark or space freq dead smack on same freq as the guy you are trying to hear.... ehhhh.

So it just may well be, everone will revert back to CW when no other way works.

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--
Randy KA1UNW          If you get a shock while
                      servicing your equipment,          "Works for me!"
                      DON'T JUMP!                          -Peter Keyes
                      You might break an expensive tube!

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End of Info-Hams Digest V93 #1067
